

REMARKS

Amendments to the claims:

Each of claims 13 and 14 have been amended for consistency of language and the like in view of the change in dependency of claim 12.

Claim 23 has been amended to add new limitations. Support for the amendments to claim 23 are found at least in the specification at page 9, line 30 through page 11, line 32, and in Fig. 5.

Claims 25-33 have been added. Support for new claims 25-33 is found at least in the original claims as well as in the specification at page 9, line 30 through page 11, line 32, and in Fig. 5.

No new matter has been added to the application by way of the amendments.

Claim Objections:

Claim 12 been objected to because the word "should" in line 3 of that claim renders the scope of the claim indefinite. The Examiner has recommended changing the word "should" to the word "is" in order to overcome the objection.

The Applicant has incorporated the Examiner's recommendation by amending claim 12 to change the word "should" to the word "is."

1 Accordingly, the Applicant believes that the objection to claim 12 has been
2 overcome, and the Applicant respectfully requests that the objection be withdrawn.

3 Claim Rejections Under 35 U.S.C. 102:

4 Claims 1, 3 and 4 have been rejected under 35 U.S.C. 102(e) as being
5 anticipated by U.S. Patent No. 6,724,496 B1 to McIntyre.

6 Claims 8, 10, 15, 19, 20 and 22-24 have been rejected as being anticipated
7 by U.S. Patent No. 6,091,507 to Vatland.

8 Claims 1 and 24 have each been canceled, and the rejections of those claims
9 are therefore moot.

10 Claims 3 and 4 have been amended to now depend from new claim 25. The
11 Applicant contends that claims 3 and 4 are allowable at least for the reasons that
12 claim 25 is allowable, as set forth herein below.

13 The Applicant notes that a claim is anticipated only if each and every element
14 as set forth in the claim is found, either expressly or inherently described, in a single
15 prior art reference and that the identical invention must be shown in as complete
16 detail as is contained in the claim. (MPEP 2131.)

17 Claim 8 has been amended to now include the following elements:

18 *a processor with software configured to receive an unrasterized*
19 *version of a print job and, in response, retrieve a rasterized version of*
20 *the print job from a storage device external to said image producing*
21 *device.*

22 Neither Vatland nor McIntyre expressly or inherently describes all of the
23 elements of amended claim 8. In other words, neither Vatland nor McIntyre shows
24 the identical invention in as complete detail as is contained in claim 8, as amended.

25 Rather, Vatland discloses means facilitating high speed transmission of raster
26 data from a host computer having a raster image processor to a printer, while
27 McIntyre discloses means of converting a print job containing PDL into a raster
28 image and then printing the raster image.

29 Thus, neither Vatland nor McIntyre anticipates claim 8, as amended, because
30 neither Vatland nor McIntyre describes all of the elements of amended claim 8, nor

1 do either Vatland or McIntyre show the identical invention in as complete detail as is
2 contained in amended claim 8, as is required for anticipation.

3 More specifically, neither Vatland nor McIntyre teach or suggest a processor
4 with software configured to receive an unrasterized version of a print job and, in
5 response, retrieve a rasterized version of the print job from a storage device external
6 to said image producing device, as is required by Applicant's claim 8.

7 Accordingly, the Applicant respectfully requests that the rejection of claim 8 be
8 withdrawn and that claim 8, as amended, be allowed.

9 Claim 15 has been amended to now include the following elements:

10 receiving, for a first time, an unrasterized print job from a device
11 on a network;

12 processing said unrasterized print job into a rasterized print job;

13 sending the rasterized print job to an external storage device;

14 retrieving, for a first time, the rasterized print job from the external
15 storage device;

16 receiving, for a second time, the unrasterized print job;

17 retrieving, for a second time, the rasterized print job from the
18 external storage device;

19 generating an image from said rasterized print job using an image
20 producing device.

21 Neither Vatland nor McIntyre expressly or inherently describe all of the
22 elements of amended claim 15. In other words, neither Vatland nor McIntyre show
23 the identical invention in as complete detail as is contained in claim 15, as amended.

24 Rather, as is described above, Vatland discloses means facilitating high
25 speed transmission of raster data from a host computer having a raster image
processor to a printer, while McIntyre discloses means of converting a print job
containing PDL into a raster image and then printing the raster image.

26 Thus, neither Vatland nor McIntyre anticipates claim 15 because neither
27 Vatland nor McIntyre describes all of the elements of amended claim 15, nor do
28 either Vatland or McIntyre show the identical invention in as complete detail as is

1 contained in amended claim 15, as is required for anticipation. More specifically,
2 neither Vatland or McIntyre teach or suggest:

- 3 1) receiving, for a first time, an unrasterized print job from a device on a
network;
- 4 2) processing said unrasterized print job into a rasterized print job;
- 5 3) sending the rasterized print job to an external storage device;
- 6 4) retrieving, for a first time, the rasterized print job from the external storage
device;
- 7 5) receiving, for a second time, the unrasterized print job;
- 8 6) retrieving, for a second time, the rasterized print job from the external
storage device; and
- 9 7) generating an image from said rasterized print job using an image
producing device,

10 -- all of which are required by Applicant's claim 15.

11 Accordingly, the Applicant respectfully requests that the rejection of claim 15
12 be withdrawn and that claim 15, as amended, be allowed.

13 Claim 23 has been amended to now include the following elements:

14 means for printing including means for rasterizing a print job to
15 produce a rasterized version of said print job;

16 means for transmitting, in response to rasterizing, said rasterized
17 version of said print job externally of said means for printing;

18 means for storing, in response to transmitting, said rasterized
19 version of said print job externally of said means for printing;

20 means for receiving a request to print said print job; and

21 means for retrieving, in response to receiving said request, said
22 rasterized version of said print job back to said means for printing.

23
24 Neither Vatland nor McIntyre expressly or inherently describe all of the
25 elements of amended claim 23. In other words, neither Vatland nor McIntyre show
the identical invention in as complete detail as is contained in claim 23, as amended.

Rather, as is described above, Vatland discloses means facilitating high
speed transmission of raster data from a host computer having a raster image

1 processor to a printer, while McIntyre discloses means of converting a print job
2 containing PDL into a raster image and then printing the raster image.

3 Thus, neither Vatland nor McIntyre anticipates claim 23 because neither
4 Vatland nor McIntyre describes all of the elements of amended claim 23, nor do
5 either Vatland or McIntyre show the identical invention in as complete detail as is
6 contained in amended claim 23, as is required for anticipation. More specifically,
7 neither Vatland or McIntyre teach or suggest:

8 1) means for printing including means for rasterizing a print job to produce a
9 rasterized version of said print job;

10 2) means for transmitting, in response to rasterizing, said rasterized version of
11 said print job externally of said means for printing;

12 3) means for storing, in response to transmitting, said rasterized version of
13 said print job externally of said means for printing;

14 4) means for receiving a request to print said print job; and

15 5) means for retrieving, in response to receiving said request, said rasterized
16 version of said print job back to said means for printing,

17 -- all of which are required by Applicant's claim 23.

18 Accordingly, the Applicant respectfully requests that the rejection of claim 15
19 be withdrawn and that claim 23, as amended, be allowed.

20 Inasmuch as claim 10 depends from claim 8 and therefore contains all the
21 elements of claim 8, it is axiomatic that claim 10 is not anticipated by either Vatland
22 or McIntyre for at least the reasons that claim 8 is not anticipated, as set forth herein
23 above. Accordingly, the Applicant respectfully requests that the rejection of claim 10
24 be withdrawn and that claim 10 be allowed.

25 Similarly, inasmuch as each of claims 19, 20 and 22 depends from claim 15
and therefore contains all the elements of claim 15, it is axiomatic that each of claims
19, 20 and 22 is not anticipated by either Vatland or McIntyre for at least the reasons
that claim 15 is not anticipated, as set forth herein above. Accordingly, the Applicant
respectfully requests that the rejections of each of claims 19, 20 and 22 be
withdrawn and that those claims be allowed.

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1 Claim Rejections Under 35 U.S.C. 103:

2 Claims 5-7 have been rejected under 35 U.S.C. 103(a) as being unpatentable
3 over McIntyre in view of Vatland.

4 Claims 11-14 and 21 have been rejected under 35 U.S.C. 103(a) as being
5 unpatentable over Vatland in view of U.S. Patent No. 6,707,563 B1 to Barry.

6 Claims 5-7 have been canceled, and the rejections of those claims are
7 therefore moot.

8 Inasmuch as claim 11 depends from claim 8, which is allowable at least for
9 the reasons set forth herein above, it is axiomatic that claim 11 is also allowable for
10 at least the reasons that claim 8 is allowable. Accordingly, the Applicant respectfully
11 requests that the rejection of claim 11 be withdrawn and that claim 11 be allowed.

12 As the result of amendments to claim 12, each of claims 12-14 now depends
13 from newly added claim 30. Accordingly, the Applicant contends that each of claims
14 12-14 is allowable for at least the reasons that claim 30 is allowable, as is set forth
15 herein below. Accordingly, the Applicant respectfully requests that the rejections of
16 claims 12-14 be withdrawn and that claims 12-14 be allowed.

17 Inasmuch as claim 21 depends from claim 15, which is allowable at least for
18 the reasons set forth herein above, it is axiomatic that claim 21 is also allowable for
19 at least the reasons that claim 15 is allowable. Accordingly, the Applicant
20 respectfully requests that the rejection of claim 21 be withdrawn and that claim 21
21 be allowed.

22 New Claims:

23 The Applicant has added new claims 25-33. The Applicant contends that
24 these new claims are not anticipated by, or obvious over, the prior art at least
25 because the prior art does not teach or suggest all the limitations of each of these
26 new claims.

27 Specifically, each of new claims 25 and 26, as well as each of claims 3 and 4,
28 contains the following elements:

29 a storage device in communication with a network; and

30 a server in communication with the network, the server configured to:

1 receive an unrasterized version of a given print job from the network;
2 and

3 in response to receiving the print job, search the storage device to
4 determine whether a rasterized version of the given print job is stored on the
5 storage device.

6 The Applicant contends that none of the prior art references teach or suggest
7 all these elements required by new claims 25 and 26 and dependent claims 3 and 4.
8 Rather, as is described above, Vatland discloses means facilitating high speed
9 transmission of raster data from a host computer having a raster image processor to
10 a printer, while McIntyre discloses means of converting a print job containing PDL
11 into a raster image and then printing the raster image.

12 Thus, none of claims 3, 4, 25 and 26 is anticipated by, or obvious in view of,
13 Vatland and/or McIntyre because neither Vatland nor McIntyre describes all of the
14 elements of claims 3, 4, 25 and 26, nor do either Vatland or McIntyre show the
15 identical invention in as complete detail as is contained in claims 3, 4, 25 and 26.

16 Specifically, none of the prior art references teach or suggest:

17 1) a storage device in communication with a network; and

18 2) a server in communication with the network, the server configured to
19 receive an unrasterized version of a given print job from the network, and in
20 response to receiving the print job, search the storage device to determine whether a
21 rasterized version of the given print job is stored on the storage device,

22 --all as required by each of claims 3, 4, 25 and 26.

23 Accordingly, the Applicant respectfully requests that the rejections of claims 3
24 and 4 be withdrawn and that claims 3, 4, 25 and 26 be allowed.

25 Each of new claims 27-29 contains the following elements:

26 means for receiving an unrasterized version of a print job from a
27 network;

28 means for determining whether a rasterized version of the print
29 job is stored on a storage means connected to the network;

1 means for retrieving the rasterized version of the print job from the
2 storage means in response to determining that the rasterized version is
3 stored;

4 means for converting the unrasterized print job into rasterized
5 format in response to determining that no rasterized version is stored;
6 and

7 means for sending the rasterized print job to a means for printing
8 an image from the rasterized print job.

9 The Applicant contends that none of the prior art references teach or suggest
10 all these elements required by claims 27-29. Rather, as is described above, Vatland
11 discloses means facilitating high speed transmission of raster data from a host
12 computer having a raster image processor to a printer, while McIntyre discloses
13 means of converting a print job containing PDL into a raster image and then printing
14 the raster image.

15 Thus, none of claims 27-29 is anticipated by, or obvious in view of, Vatland
16 and/or McIntyre because neither Vatland nor McIntyre describes all of the elements
17 of claims 27-29, nor do either Vatland or McIntyre show the identical invention in as
18 complete detail as is contained in claims 27-29. Specifically, none of the prior art
19 references teach or suggest:

20 1) means for receiving an unrasterized version of a print job from a network;

21 2) means for determining whether a rasterized version of the print job is
22 stored on a storage means connected to the network;

23 3) means for retrieving the rasterized version of the print job from the storage
24 means in response to determining that the rasterized version is stored;

25 4) means for converting the unrasterized print job into rasterized format in
26 response to determining that no rasterized version is stored; and

27 5) means for sending the rasterized print job to a means for printing an image
28 from the rasterized print job,

29 -- all of which are required by each of claims 27-29.

30 Accordingly, the Applicant respectfully requests that claims 27-29 be allowed.

1 Each of new claims 30-32, as well as each of dependent claims 12-14 (based
2 upon their dependence from new independent claim 30), contains the
3 following elements:

4 receiving an unrasterized version of a print job;
5 in response to receiving, determining whether a rasterized version
6 of the print job is stored on a storage device;
7 retrieving the rasterized version of the print job from the storage
8 device in response to determining that the rasterized version is stored;
9 converting the unrasterized print job into rasterized format in
10 response to determining that no rasterized version is stored; and
11 printing an image from the rasterized print job.

12 The Applicant contends that none of the prior art references teach or suggest
13 all these elements required by claims 12-14 and 30-32. Rather, as is described
14 above, Vatland discloses means facilitating high speed transmission of raster data
15 from a host computer having a raster image processor to a printer, while McIntyre
16 discloses means of converting a print job containing PDL into a raster image and
then printing the raster image.

17 Thus, none of claims 12-14 and 30-32 is anticipated by, or obvious in view of,
18 Vatland and/or McIntyre because neither Vatland nor McIntyre describes all of the
19 elements of claims 12-14 and 30-32, nor do either Vatland or McIntyre show the
identical invention in as complete detail as is contained in claims 12-14 and 30-32.
20 Specifically, none of the prior art references teach or suggest:

- 21 1) receiving an unrasterized version of a print job;
- 22 2) in response to receiving, determining whether a rasterized version of the
print job is stored on a storage device;
- 23 3) retrieving the rasterized version of the print job from the storage device in
response to determining that the rasterized version is stored;
- 24 4) converting the unrasterized print job into rasterized format in response to
determining that no rasterized version is stored; and
- 25 5) printing an image from the rasterized print job,
-- all of which are required by each of claims 12-14 and 30-32.

1 Accordingly, the Applicant respectfully requests that the rejections of claims
2 12-14 be withdrawn and that claims 12-14 and 30-32 be allowed.

3 New claim 33 contains the following elements:

4 a network;
5 a storage device in communication with the network;
6 a first processor in communication with the network and
7 configured to:
8 generate an unrasterized version of a print job; and
9 transmit the unrasterized version of the print job over the network;
10 and
11 a second processor in communication with the network and
12 configured to:
13 receive the unrasterized version of the print job from the
14 network; and
15 in response to receiving the unrasterized version of the print job,
16 determine whether a rasterized version of the print job is available on the
17 storage device.

18 The Applicant contends that none of the prior art references teach or suggest
19 all these elements required by claim 33. Rather, as is described above, Vatland
20 discloses means facilitating high speed transmission of raster data from a host
21 computer having a raster image processor to a printer, while McIntyre discloses
22 means of converting a print job containing PDL into a raster image and then printing
23 the raster image.

24 Thus, claim 33 is not anticipated by, or obvious in view of, Vatland and/or
25 McIntyre because neither Vatland nor McIntyre describes all of the elements of claim
26 33, nor do either Vatland or McIntyre show the identical invention in as complete
27 detail as is contained in claim 33. Specifically, none of the prior art references teach
28 or suggest:

- 1) a network;
- 2) a storage device in communication with the network;

1 3) a first processor in communication with the network and configured to
2 generate an unrasterized version of a print job, and transmit the unrasterized version
3 of the print job over the network;

4 and

5 4) a second processor in communication with the network and configured to
6 receive the unrasterized version of the print job from the network, and in response to
7 receiving the unrasterized version of the print job, determine whether a rasterized
version of the print job is available on the storage device,

8 -- all of which are required by each of claim 33.

9 Accordingly, the Applicant respectfully requests that claim 33 be allowed.

10 **Summary**

11 The Applicant believes this response/amendment constitutes a full and
12 complete reply to the office action mailed 05/29/2007. The Applicant respectfully
13 requests timely allowance of claims 3, 4, 8, 10-15, 19-23 and 25-33.

14 The Examiner is respectfully requested to contact the below-signed attorney if
the Examiner believes this will facilitate prosecution toward allowance of the claims.

15 Respectfully submitted,
16 Todd A. LUTZ

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22 Date: July 27, 2007